



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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October 17, 1996

TO: Minerals File

FROM: Tony Gallegos, Reclamation Engineer

RE: Site Inspection, Summo USA Corporation, Lisbon Valley Copper Project, M/037/088, San Juan County, Utah

Date of Inspection: October 11, 1996
Time of Inspection: 0930 - 1220
Conditions: Fair skies, cool
Participants: Bob Prescott, Summo; Pat Gochnour, Gochnour & Assoc; Lynn Jackson, BLM; Dennis Fredericks, DWQ; Wayne Hedberg, Tony Gallegos, Tom Munson, and Lynn Kunzler, DOGM

Purpose of Inspection: To familiarize Division staff with the project site after initially reviewing the project proposal.

We first met at the Summo offices located in the southern part of Moab, near the Sherri Griffith Building. From there we car pooled to the Lisbon Valley site. At the site our first stop was near the existing road to the Sentinel Pit. At this point, we pulled out a project map to visualize where the various mine features would be located. Pat Gochnour and Bob Prescott gave us an overview of the mine plan and we discussed a few general permitting concerns.

The next stop was at the existing Sentinel Pit. At this pit a portion of the ore body is exposed. The ore is located in the sandstone in the Burro Canyon member, or bed 15. At this pit the coaley material (potentially acid generating) was eroded off, but this layer is still present below the surface in the valley floor. The ore body dips down below the current valley floor. The Sentinel #1 Pit will expand from the existing disturbance in a westerly direction down to the valley floor and also to the north toward the Lisbon Canyon drainage. While at the Sentinel Pit we examined the Lisbon Canyon drainage from the currently existing ridge. The pit is proposed to cross this drainage, and Dump D is proposed to be located in the drainage coming in from the north. It is likely that the preferred mining alternative will eliminate waste dump D and include some type of mitigation dealing with the pit intercepting the drainage channel. Photographs were taken of the drainage and the pit area.

From here our next stop was the Centennial Pit. At this existing pit the darker coaley



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material is exposed. These coaley beds are believed to be beds 6, 7 & 8. The proposed Centennial Pit will deepen and extend further south and east in comparison to the existing pit. Photographs were taken of the pit and the general area.

The next area visited was the GTO Pit. At the GTO Pit there is an amount of uranium waste located along the west side. This waste is from the various uranium mines along this part of the ridge. Summo plans to remove this uranium waste and place it in the waste dumps when they begin stripping. The GTO Pit would be the third or fourth pit to be developed under this project. This pit has a large amount of pre-stripping to be done along the west side. For this reason this pit would not be actively mined until later into the projects life. Photographs were taken of the GTO Pit and the general area as well.

The next area visited was the old processing area. This area includes several concrete foundations and a structure used in the old leaching operations in this area. Photographs were taken of this area and the other features of the site. This area will become part of the Centennial Pit.

The next area visited was the monitoring well, recently completed in the Navajo aquifer. This well is not far off of the main county road and was locked and inaccessible at this time.

The next area visited was the crusher/leach pad site. This area is located on the field near the old ranch house on the west edge of the property. At this location we discussed the amount of topsoil material that would be removed from this area for use in reclamation of the other facilities. Photographs were taken of this area as well.

Throughout the inspection we discussed various features in the mine project as they pertained to the various sites we visited. The inspection concluded with the understanding that the Division would finish the review of the proposal as soon as possible and provide the BLM and DWQ with copies of the review letter.

jb
cc: Bob Prescott, Summo
Pat Gochnour, Gochnour & Assoc.
Dennis Fredericks, DWQ
Lynn Jackson, BLM
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